

Title (en)  
SWITCHING STRUCTURES FOR HEARING AID

Title (de)  
SCHALTSTRUKTUREN FÜR EIN HÖRGERÄT

Title (fr)  
STRUCTURES DE COMMUTATION POUR AIDE AUDITIVE

Publication  
**EP 1836874 A2 20070926 (EN)**

Application  
**EP 06718482 A 20060116**

Priority  
• US 2006001414 W 20060116  
• US 3754905 A 20050116

Abstract (en)  
[origin: US2006013420A1] An apparatus is provided that includes an input system, an output system, and a sensor for sensing magnetic fields. In one example, a signal processing circuit electrically connects the input system to the output system, and a magnetic sensor adapted to inhibit the acoustic input and function as a magnetic input in the presence of a magnetic field. In one example, the magnetic sensor includes a giant magneto resistive (GMR) sensor. In another example, the magnetic sensor includes an anisotropic magneto resistive (AMR) sensor. The magnetic field can be generated by, among other things, a magnet in a telephone handset. The hearing aid further is programmed based on time-varying characteristics of the magnetic field. Wireless activation or deactivation of the hearing aid is also described. Other examples and options are provided herein.

IPC 8 full level  
**H04R 25/00** (2006.01)

CPC (source: EP US)  
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